INSTRUCTIONS-PARTS LIST

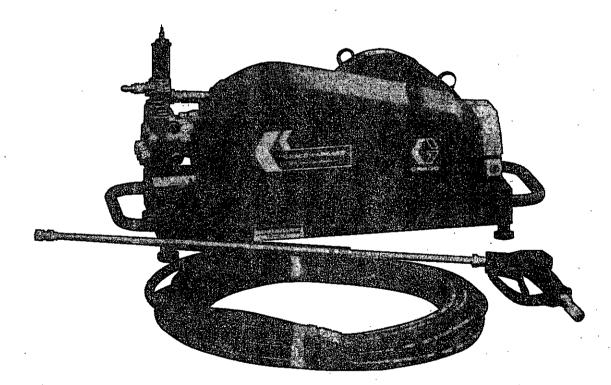


This manual contains IMPORTANT WARNINGS and INSTRUCTIONS READ AND RETAIN FOR REFERENCE

HYDRA-CLEAN° 2104E

2104E MODEL 800-053 SERIES "A"

2150 psi (150 bar) OPERATING PRESSURE 2250 psi (155 bar) MAXIMUM WORKING PRESSURE



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WARNING

HIGH PRESSURE SPRAY CAN CAUSE SERIOUS INJURY. FOR PROFESSIONAL USE ONLY. OBSERVE ALL WARNINGS.

Read and understand all instruction manuals before operating equipment.

INJECTION HAZARD

Fluids under high pressure from spray or leaks can penetrate the skin and cause extremely serious injury, including the need for amputation.

NEVER point the spray gun at anyone or any part of the body.

NEVER put hand or fingers over the spray tip.

NEVER try to stop or deflect leaks with your hand or body.

ALWAYS have the tip guard in place when spraying.

MEDICAL TREATMENT

If any fluid appears to penetrate your skin, get EMERGENCY MEDICAL CARE AT ONCE. DO NOT TREAT AS A SIMPLE CUT.

Tell the doctor exactly what fluid was injected. For treatment instructions have your doctor call the NATIONAL POISON CENTER NETWORK (412)681-6669

AVOID COMPONENT RUPTURE

Even after you shut off the gasoline engine, there is high pressure in the pump, hose and gun until you release it by triggering the gun. So before removing the spray tip or servicing the unit, *always* shut off the unit *and* trigger the gun to release pressure.

Be sure that all accessory items and system components will withstand the pressure developed. *NEVER* exceed the pressure rating of any component in system. *NEVER* alter or modify equipment — your personal safety, as well as the function of the equipment, is at stake.

Before each use, check hose for weak, worn or damaged conditions caused by traffic, sharp corners, pinching or kinking. Tighten all fluid connections securely before each use. Replace any damaged hose. Do not use chemicals or agents which are not compatible with Buna-N and PVC or neoprene cover of hose.

Do not leave a pressurized unit unattended. Shut off the unit and release pressure before leaving.

FIRE

Do not spray flammable liquids. Do not operate the engine where combustible fumes or dust may be present.

GENERAL

NEVER run the unit with the belt guard removed. Keep clear of moving parts when the unit is running.

Observe detergent manufacturer's safety precautions. Avoid getting detergent or other liquids in your eyes. Follow the directions on the container regarding contact with eyes, nose, and skin, breathing fumes, etc. Always wear full goggles to protect your eyes from the spray as well as any debris dislodged by the spray. If necessary, wear gloves or other protective clothing. If antidotes or treatment are recommended, be prepared to use them.

DON'T spray toxic chemicals such as insecticide or weed killer.

This unit is supplied with an 8-foot power cord made up of four AWG No. 12 wires. The green wire of the electric cord is connected to the unit chassis and motor frame. The other three wires are connected to the starter switch.

Be sure to connect the power cord to the appropriate approved plug to fit your requirements.

The starter switch has a built-in circuit breaker that will shut off the power to the unit whenever the circuit is overloaded.

Always check to be sure the switch is off and that the hoses and electric cord are clear of moving parts before plugging in the power cord.

IMPORTANT

United States Government safety standards have been adopted under the Occupational Safety and Health Act. These standards — particularly the General Standards, Part 1910, and the Construction Standards, Part 1926 should be consulted in connection with your use of airless spray equipment. FLUID OUTLET S'A! IN. GARDEEN HOSE THREAD SPRAY HOSE

Check Electrical Service and Plug In

Before plugging in the sprayer, be sure the electrical service is 3 phase 220 V, 60 HzAC, 20 Amp. With the ON-OFF switch in the OFF position, plug the power supply cord into a grounded outlet. If you use an extension cord, it must have 4 wires of at least 12 gauge (2.5 mm²) and should not be over 100 ft (30.3 m) long.

INSTALLATION

Install Hose and Spray Gun

Connect the spray hose to the spray gun by inserting the pin at the end of the hose into the quick disconnect coupler on the gun. Connect the hose to the fluid outlet in the same way.

Remove the tape from the cap on top of the pump.

Cleaning Accessories

For spraying detergent or other cleaning solution, we recommend using a chemical injector kit. See Accessories and instruction manual 801-192 for installation and operation.

For removing rust and old paint we recommend using a water sandblaster. See Accessories and instruction manual 801-190 for installation and operation.

Connect To Water Supply

- CAUTION -

Before attaching to water supply, check local plumbing code regarding cross-connection to water supply. Backflow check valve 801-133.

Do not exceed 160°F (70°C) water temperature to pump in a direct supply system.

Connect a hose with at least a 3/4 in. (19 mm) ID from your city water supply to the unit's 3/4 in. garden hose threaded inlet. The supply hose should not be more than 50 ft. (15 m) long.

NOTE: For a direct supply system, your water source at the unit *must* have a flow rate of AT LEAST 5 GPM (19 LITER/MIN).

If your operating conditions are different from above, contact our Customer Service Department for assistance.

OPERATION

Startup

Before starting, be sure to read the safety warnings and setup instructions.

Turn on the water supply.

Trigger the gun to release any back pressure.

– warning –

DO NOT wire or tie the gun trigger into the open or triggered position.

- CAUTION -

Never run the cleaning unit dry. Costly damage to the pump will result. Always be sure water supply is completely turned on before operating.

Inspect all connections for any leaks. Tighten if necessary.

Cleaning

For Hydra-Clean technique, see the Chemical Injector manual, 801-192.

For abrasive cleaning, see the Water Sandblaster manual, 801-190.

Follow these precautions when removing and installing nozzles:

- 1. Shut off the cleaning unit and trigger the gun to relieve pressure. Engage the trigger safety.
- 2. Keep the nozzle and the tube pointed away from you and everyone else.
- 3. Do not put your hand over the tip to push the nozzle into place. Grasp it from the side and keep your fingers away from the tip.
- 4. Do not let anyone else touch the spray valve while you are cleaning nozzles.
- 5. Be sure the slip ring is pushed forward to lock the nozzle in place before triggering the spray gun.

Shutdown and Care Of Unit

When unit is not in use, turn off water supply.

When shutting down for the day or weekend, shut off unit, shut off water supply valve, and trigger gun to release pressure. Wipe off the unit with a damp rag. - CAUTION -

Shut off cleaning unit when not actually spraying, for longer pump life. The pump will overheat if left running for over 10 minutes without spraying.

Check the filter screen in the water inlet connection as often as necessary, at least daily. Do not operate the unit with the inlet and filter screen removed.

DO NOT try to adjust the unloader valve or change the engine speed. Changing these settings may cause excessive pressure, intermittent unloader operation, wasted fuel and increased wear on parts and will void the warranty.

PUMP MUST NOT BE RUN DRY and must be drained of water prior to exposure to freezing temperatures. Use and store the unit where it will not be subjected to freezing temperatures. If water does freeze in the unit, thaw before trying to start. A 50% anti-freeze solution may be pumped prior to cold weather storage.

Use only spray tips that are matched to the unit to avoid excessive cycling and wear of the unloader valve. See Accessories.

- CAUTION -

Let a frozen pump thaw in a warm place. Don't pour hot water on a frozen pump. A sudden temperature change may crack the ceramic plungers.

Do not pump caustic materials.

Before extended storage, flush the pump with light oil.

Avoid dragging hose over an abrasive surface such as cement. This causes excessive wear and shorter hose life.

Clean the intake line strainer daily.

Lubrication and Care

Fill pump crankcase to dot on oil gauge window with 25 oz. (0.75 liters) of crankcase oil (part no. 801-144) or equivalent SAE 40 weight hydraulic oil with antiwear and rust inhibitor additives. Change initial fill after 50 hour running period. Change oil every 3 months or at 500 hour intervals.

-warning -

NEVER alter adjustment or modify the unloader valve.

Altering or adjusting unloader *will not* increase performance of unit.

SERVICE

TROUBLESHOOTING

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PROBLEM	CAUSE	SOLUTION		
Low pressure.	Worn nozzle.	Replace with nozzle of proper size.		
	Belt slippage.	Tighten or replace; use correct belts and repl both at same time.		
	Air leak in inlet plumbing.	Disassemble, reseal, and reassemble.		
-	Relief valve stuck, partially plugged or improperly adjusted; valve seat worn.	Clean, and adjust relief valve; check for wor and dirty valve seats. Kit available.		
· · ·	Inlet suction strainer clogged or improper size.	Clean. Use adequate size. Check more frequently.		
· ·	Worn packing. Abrasives in pumped fluid or severe cavita- tion. Inadequate water supply.	Install proper filter. Check flow available to pump.		
	Fouled or dirty inlet or discharge valves.	Clean inlet and discharge valve assemblies.		
	Worn inlet or discharge valves. Leaky discharge hose.	Replace worn valves, valve seats and/or discharge hose.		
Pump runs extremely rough, pressure low.	Restricted inlet or air entering the inlet plumbing.	Proper size inlet plumbing; check for airtight seal.		
	Inlet restrictions and/or air leaks. Stuck inlet or discharge valve.	Clean out foreign material, replace worn valves.		
	Leaking H.P. seals.	Replace seals.		
Water leakage from under the manifold.	Worn packing.	Install new packing.		
Water in pump crankcase.	May be caused by humid air condensing into water inside the crankcase.	Change oil at 3 month or 500 hour intervals using Graco Crankcase Oil (other approved oil every month or 200 hours) P.N. 801-144.		
Frequent or premature failure of the packing.	Scored plungers.	Replace plungers.		
	Over pressure to inlet manifold.	Reduce inlet pressure.		
	Damaged or worn plungers.	Replace plungers.		
	Abrasive material in the fluid being pumped.	Install proper filtration on pump inlet plumbing.		
	Excessive pressure and/or tem- perature of fluid being pumped.	Check pressures and fluid inlet temperature; be sure they are within specified range.		
	Over pressure of pumps.	Reduce pressure.		
	Running pump dry.	Do not run pump without water.		
Strong surging at the inlet and low pressure on the discharge side.	Foreign particles in the inlet or discharge valve, or worn inlet and/or discharge valves.	Check for smooth lap surfaces on inlet and _ discharge valve seats. Discharge valve seats and inlet valve seats may be lapped on a very fine oil stone.		

PROBLEM	CAUSE	SOLUTION	
Electric motor won't run.	Power cord unplugged, or building circuit fuse blown.	Check, replace.	
	Overload switch has opened.	Unplug power cord*, decrease pressure.	
Electric motor stops while spraying.	Power cord unplugged, or building circuit fuse blown.	Check, replace.	
	Overload breaker has opened.	Unplug power cord*, relieve pressure-allow to cool.	
	Extension cord.	Don't use more than 100 ft of 12 ga extension cord.	
	Tip plugged.	Remove and clean.	
Electric motor runs, but no output.	Displacement pump frozen or gear train damage.	Thaw.	

*This unit has an overload breaker built into the switch assembly. If it opens, unplug power cord and let sprayer cool for 30 to 60 minutes. Also, try to correct the cause of overheating. Always use the lowest pressure setting needed.

NOTE: A M11 and M30 metric wrenches are required for servicing pump.

PUMP

Valves

Photo 1 and 2.

- 1) Remove the hex plug using an M30 wrench.
- 2) Examine o-ring under plug and replace if evidence of cuts or distortion.
- 3) Remove value assembly including retainer, spring, value and value seat from value cavity.

NOTE: Valve assembly may come apart during removal.

- Replace valve parts with service kit (801-041) including retainer, spring, valve, valve seat, oring and back-up-ring.
- 5) Replace valve cover and torque to 75 ft-ib (100 N·m).

Pumping Section

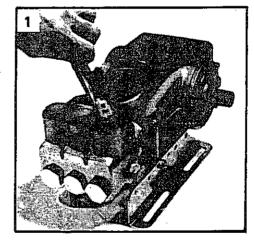
Photo 3.

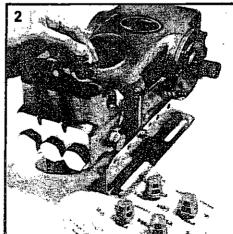
- 1) Remove the four (4) hex nuts from the manifold.
- 2) Separate the manifold from the crankcase.
 - NOTE: It may be necessary to tap manifold lightly with mallet to loosen.

- CAUTION ----

Keep manifold properly aligned with ceramic plungers when removing to avoid damage to either plungers or seals.

3) Carefully examine each plunger for any scoring and replace if necessary.





Plungers

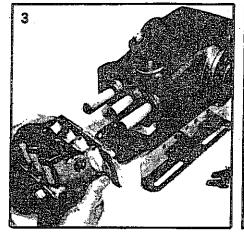
Photo 4.

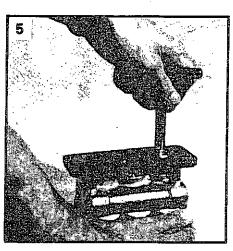
- 1) Using an M11 wrench, remove the plunger retainer.
- Slide out the seal retainer with oil wick and rubber barrier slinger.
- With a slight twisting motion, loosen the plunger from the plunger rod and remove.
 - NOTE: The stud may remain with the retainer when removed. Disassemble and screw stud into plunger rod finger tight.
- 4) Replace o-ring and back up ring on plunger retainer.
- 5) Saturate new oil wick by soaking in oil.
- 6) Install new plunger.
- 7) Replace plunger retainer and torque to 80 in-lb (9 N·m).
- 8) Install new oil wick in seal retainer.
- 9) Replace barrier slinger over new plunger.
- 10) Lubricate each plunger sleeve and carefully slide manifold onto crankcase.

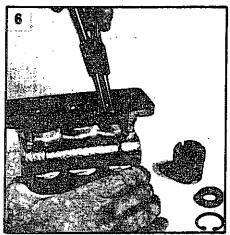
Seals or V-Packings

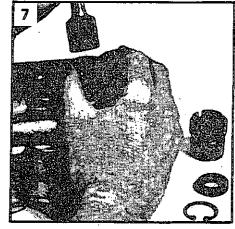
Photo 5, 6, 7 and 8.

- Remove C-ring from seal case.
 Then remove the low pressure seal from the seal case.
- Unscrew the seal case from the manifold using a special key wrench (801-044).
- 4) Remove the high pressure seal and examine. Before replacing, lubricate ID and OD of new high-pressure seal and press into manifold.
 - NOTE: A socket and extension may be used to pressure seal from manifold.
- 5) Install new o-ring on seal case and lubricate OD of o-ring.
- 6) Screw seal case into manifold.
- 7) Lubricate ID and OD of low pressure seal and press into seal case.
- 8) Replace C-ring holding low pressure seal in place.

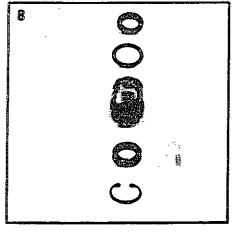






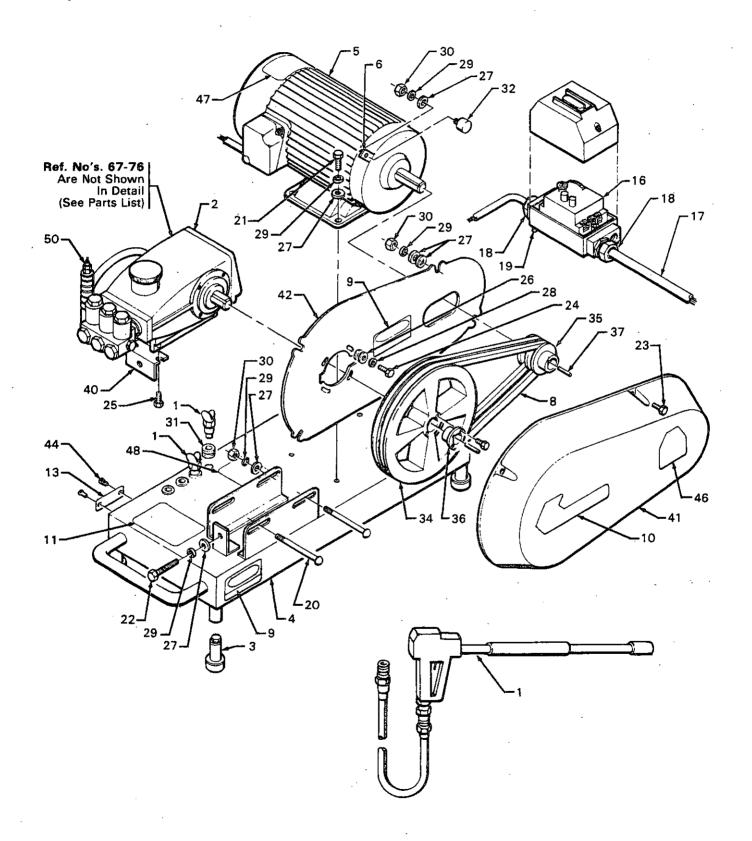


- Lubricate each plunger sleeve and carefully slide manifold onto crankcase.
 - NOTE: When replacing manifold onto plungers, extreme caution should be exercised to avoid damage to the seals.



- Torque all four (4) bolts to 240 in-lb (27 N-m).
 - NOTE: Carefully study the order of respective parts and note position of seals to assure proper reassembly and operation.

PARTS DRAWING



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	Ref. No. 5	0 Includes items 51-66]
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PAI REF	PART	DESCRIPTION QTY	
REF	PART	DESCRIPTION QTY HOSE & GUN ASSY, see gun	
REF NO.	PART	DESCRIPTION QTY HOSE & GUN ASSY, see gun detail for parts 1 PUMP, REPLACEMENT PARTS,	
REF NO.	PART NO. 801-001 800-015	DESCRIPTIONQTYHOSE & GUN ASSY, see gun detail for parts1PUMP, REPLACEMENT PARTS, includes items 77-901ANTI VIBRATION FOOT4	
REF NO. 1 2 3 4 5	PART NO. 801-001 800-015 800-036 800-037	DESCRIPTIONQTYHOSE & GUN ASSY, see gun detail for parts1PUMP, REPLACEMENT PARTS, includes items 77-901ANTI VIBRATION FOOT4CHASSIS1ELECTRIC MOTOR ASSY1	
REF NO. 1 2 3 4 5 6 8	PART NO. 801-001 800-015 800-036 800-037 801-390 801-285	DESCRIPTIONQTYHOSE & GUN ASSY, see gun detail for parts1PUMP, REPLACEMENT PARTS, includes items 77-901ANTI VIBRATION FOOT4CHASSIS1ELECTRIC MOTOR ASSY1BRACKET, spacer1	
REF NO. 1 2 3 4 5 6 8 9 10	PART NO. 801-001 800-015 800-036 800-036 800-037 801-390 801-285 801-231 801-140	DESCRIPTIONQTYHOSE & GUN ASSY, see gun detail for parts1PUMP, REPLACEMENT PARTS, includes items 77-901ANTI VIBRATION FOOT4CHASSIS1ELECTRIC MOTOR ASSY1BRACKET, spacer1BELT, drive2LABEL, warning2LABEL, identification1	
REFNO. 1 2 3 4 5 6 8 9 10 11 13	PART NO. 801-001 800-015 800-036 800-037 801-390 801-285 801-231 801-140 801-129 801-131	DESCRIPTIONQTYHOSE & GUN ASSY, see gun detail for parts1PUMP, REPLACEMENT PARTS, includes items 77-901ANTI VIBRATION FOOT4CHASSIS1ELECTRIC MOTOR ASSY1BRACKET, spacer1BELT, drive2LABEL, warning2LABEL, warning1PLATE, serial no.1	
REF NO. 1 2 3 4 5 6 8 9 10 11 13 14 16	PART NO. 801-001 800-015 800-036 800-037 801-390 801-285 801-231 801-140 801-129 801-131 801-221 801-379	DESCRIPTIONQTYHOSE & GUN ASSY, see gun detail for parts1PUMP, REPLACEMENT PARTS, includes items 77-901ANTI VIBRATION FOOT4CHASSIS1ELECTRIC MOTOR ASSY1BRACKET, spacer1BELT, drive2LABEL, warning2LABEL, warning1PLATE, serial no.1CONNECTOR, crimp2SWITCH, starter1	
REF NO . 1 2 3 4 5 6 8 9 10 11 13 14 16 17 18	PART NO. 801-001 800-015 800-036 800-037 801-390 801-285 801-231 801-140 801-129 801-131 801-140 801-379 801-379 801-380	DESCRIPTIONQTYHOSE & GUN ASSY, see gun detail for parts1PUMP, REPLACEMENT PARTS, includes items 77-901ANTI VIBRATION FOOT4CHASSIS1ELECTRIC MOTOR ASSY1BRACKET, spacer1BELT, drive2LABEL, warning2LABEL, warning1PLATE, serial no.1CONNECTOR, crimp2SWITCH, starter1CORD, power (8 ft lg)1STRAIN RELIEF2	
REFNO. 1 2 3 4 5 6 8 9 10 11 13 14 16 17 18	PART NO. 801-001 800-015 800-036 800-037 801-390 801-285 801-231 801-140 801-129 801-131 801-221 801-379 801-380 801-292	DESCRIPTIONQTYHOSE & GUN ASSY, see gun detail for parts1PUMP, REPLACEMENT PARTS, includes items 77-901ANTI VIBRATION FOOT4CHASSIS1ELECTRIC MOTOR ASSY1BRACKET, spacer1BELT, drive2LABEL, warning1PLATE, serial no.1CONNECTOR, crimp2SWITCH, starter1CORD, power (8 ft lg)1STRAIN RELIEF2SCREW, self tapping, no. 6-32 NC x 1/22	
REFNO. 1 2 3 4 5 6 8 9 10 11 13 14 16 17 18 20	PART NO. 801-001 800-015 800-036 800-037 801-390 801-285 801-231 801-129 801-131 801-129 801-131 801-221 801-380 801-380 801-292 801-021	DESCRIPTIONQTYHOSE & GUN ASSY, see gun detail for parts1PUMP, REPLACEMENT PARTS, includes items 77-901ANTI VIBRATION FOOT4CHASSIS1ELECTRIC MOTOR ASSY1BRACKET, spacer1BELT, drive2LABEL, warning2LABEL, warning1PLATE, serial no.1CONNECTOR, crimp2SWITCH, starter1CORD, power (8 ft Ig)1STRAIN RELIEF2SCREW, self tapping, no. 6-32 NC x 1/22BOLT, carriage, 5/16-18 NC x 5"2	
REFNO. 1 2 3 4 5 6 8 9 10 11 13 14 16 17 18 20 21	PART NO. 801-001 800-015 800-036 800-037 801-285 801-231 801-140 801-129 801-131 801-221 801-379 801-380 801-292 801-021 801-088	DESCRIPTIONQTYHOSE & GUN ASSY, see gun detail for parts1PUMP, REPLACEMENT PARTS, includes items 77-901ANTI VIBRATION FOOT4CHASSIS1ELECTRIC MOTOR ASSY1BRACKET, spacer1BELT, drive2LABEL, warning2LABEL, warning1PLATE, serial no.1CONNECTOR, crimp2SWITCH, starter1CORD, power (8 ft Ig)1STRAIN RELIEF2SCREW, self tapping, no. 6-32 NC x 1/22BOLT, carriage, 5/16-18 NC x 5"2SCREW, machine, hex hd, hd, 5/16-18 NC x 1-1/2"4	
REFNO 1 2 3 4 5 6 8 9 10 11 13 14 16 17 18 19 20 21 22	PART NO. 801-001 800-015 800-036 800-037 801-390 801-285 801-231 801-140 801-129 801-131 801-221 801-380 801-380 801-292 801-021 801-088 801-298	DESCRIPTIONQTYHOSE & GUN ASSY, see gun detail for parts1PUMP, REPLACEMENT PARTS, includes items 77-901ANTI VIBRATION FOOT4CHASSIS1ELECTRIC MOTOR ASSY1BRACKET, spacer1BELT, drive2LABEL, warning2LABEL, warning1PLATE, serial no.1CONNECTOR, crimp2SWITCH, starter1CORD, power (8 ft lg)1STRAIN RELIEF2SCREW, self tapping, no. 6-32 NC x 1/22SOLT, carriage, 5/16-18 NC x 5"2SCREW, machine, hex hd, hd, 5/16-18 NC x 2-1/2"4	
REF NO. 1 2 3 4 5 6 8 9 10 11 13 14 16 17 18 9 20 21 22 23	PART NO. 801-001 800-015 800-036 800-037 801-390 801-285 801-231 801-140 801-129 801-131 801-221 801-379 801-382 801-382 801-021 801-088 801-088 801-298 801-302	DESCRIPTIONQTYHOSE & GUN ASSY, see gun detail for parts1PUMP, REPLACEMENT PARTS, includes items 77-901ANTI VIBRATION FOOT4CHASSIS1ELECTRIC MOTOR ASSY1BRACKET, spacer1BELT, drive2LABEL, warning2LABEL, warning1PLATE, serial no.1CONNECTOR, crimp2SWITCH, starter1CORD, power (8 ft Ig)1STRAIN RELIEF2SCREW, self tapping, no. 6-32 NC x 1/22BOLT, carriage, 5/16-18 NC x 5"2SCREW, machine, hex hd, hd, 5/16-18 NC x 2-1/2"1SCREW, machine, hex hd, hd, 5/16-18 NC x 1-1/2"1SCREW, machine, hex hd, hd, 5/16-18 NC x 1-1/2"1	
REFNO 1 2 3 4 5 6 8 9 10 11 13 14 16 17 18 19 20 21 22	PART NO. 801-001 800-015 800-036 800-037 801-390 801-285 801-231 801-140 801-129 801-131 801-221 801-380 801-380 801-292 801-021 801-088 801-298	DESCRIPTIONQTYHOSE & GUN ASSY, see gun detail for parts1PUMP, REPLACEMENT PARTS, includes items 77-901ANTI VIBRATION FOOT4CHASSIS1ELECTRIC MOTOR ASSY1BRACKET, spacer1BELT, drive2LABEL, warning1PLATE, serial no.1CONNECTOR, crimp2SWITCH, starter1CORD, power (8 ft lg)1STRAIN RELIEF2SCREW, self tapping, no. 6-32 NC x 1/22SOLT, carriage, 5/16-18 NC x 5"2SCREW, machine, hex hd, hd, 5/16-18 NC x 2-1/2"4SCREW, machine, hex hd, hd, 5/16-18 NC x 2-1/2"1	

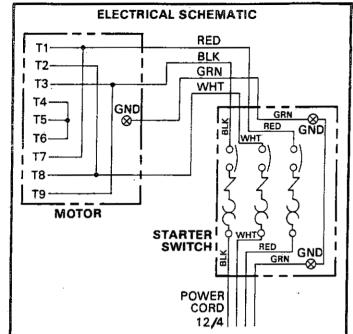
REF NO,	PART NO.	DESCRIPTION	ΩΤΥ
26 27 28 30 31 32 34 35 36 37 40 41 42 44	801-023 801-015 801-139 801-025 801-024 801-012 801-367 801-034 801-381 801-135 801-137 801-018 801-365 801-132	WASHER, flat, 1/4 WASHER, flat, 5/16 WASHER, lock, 1/4 WASHER, lock, 5/16 NUT, hex, 5/16-18 NC GROMMET BUMPER PULLEY, pump PULLEY, pump PULLEY, motor HUB, pulley KEY, pulley (2" Ig) BRACKET, tensioner BELTGUARD, cover BELTGUARD, baseplate RIVET, drive	8 16 4 10 7 4 1 1 1 1 1 1 1 2
447801234567890123456678 6678	801-008 801-388 801-389 801-045 801-045 801-045 801-047 801-049 801-050 800-012 801-050 801-059 801-060 801-061 801-062 801-063 801-068 801-070 801-071 801-070 801-071	LABEL, identification LABEL, warning LABEL, identification UNLOADER, includes items 51-66 CAGE, valve O-RING SPRING BALL SEAT O-RING UNLOADER SUB- O-RING HOUSING CYLINDER O-RING PLUG HOUSING VALVE SPRING VALVE SEAT COUPLER, male quick disconnect NIPPLE, straight, brass, 1/2 NPT x 3-1/2"	1111211121111211111
.69 70 71 72 73 74 75 76	801-106 801-236 801-108 801-109 801-110 801-111 801-112 801-113	TEE, brass, 1/2 NPT NIPPLE, hex, steel, 1/2 x 3/8 NPT NIPPLE, hex, brass, 1/4 x 1/2 NPT PLUG, hex, brass, 3/8 NPT ADAPTER, 1/2 hose NUT, brass, adapter SCREEN, intet HOSE, coupled, 1/2 NPT (MBE) 17-1/2" lg	1 1 1 1 1 1 1

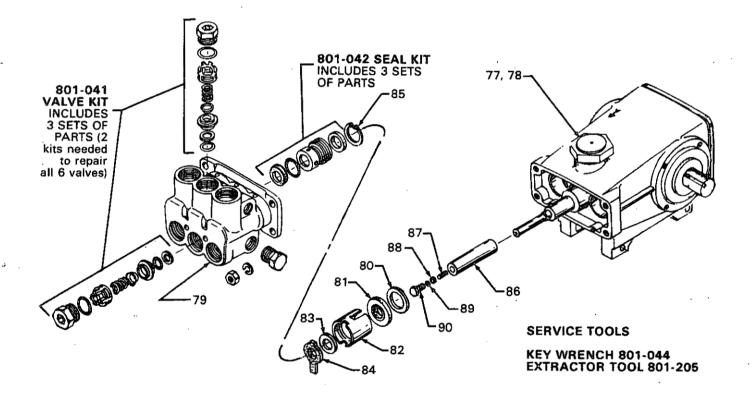
801-392 **9**

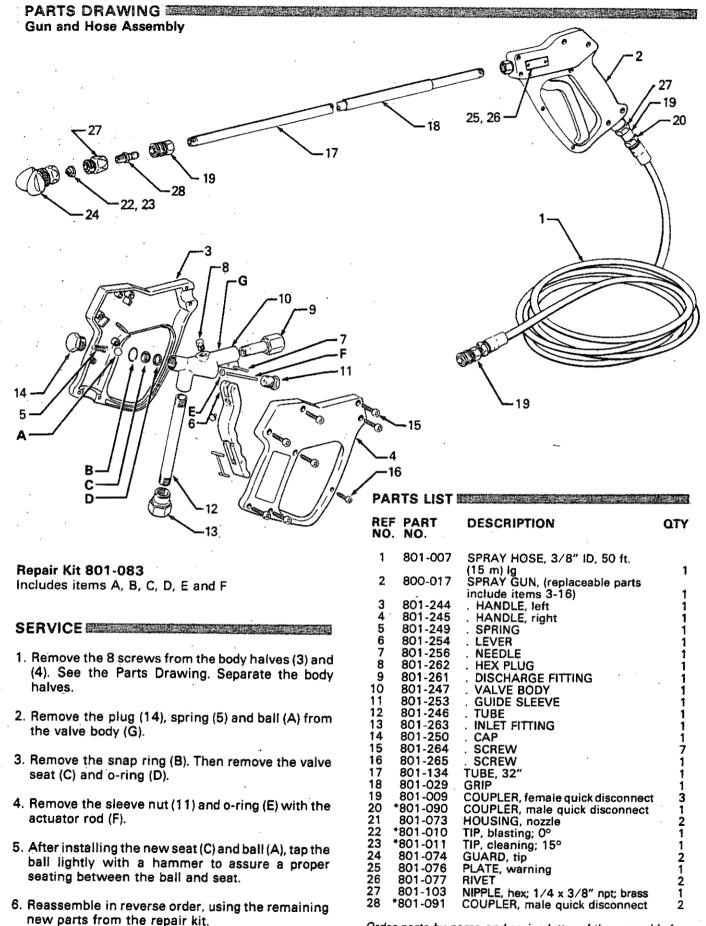
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PAP	RTS LIST (continued)		E	LECTRIC
	PART NO.	DESCRIPTION	QTY	T1	
It		are pump internal replacements ploded view of pump for details		T3	GND
77	801-027	. CAP	1	Т5	
78 79	801-028 801-267	. O-RING, cap . DISCHARGE	1	т6	
/9	801-207	MANIFOLD	1	T7	
80	801-030	. WASHER	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1 70	
31	801-031	. SEAL	3	1 18	
82	801-032	RETAINER	3	T9	-
33 34	801-033 801-034	. WASHER . WICK	3	MOTOR	
85	801-035	RING, retaining	3		
86	801-036	PLUNGER	3		S
87	801-037	STUD	3		
88	801-038	. RING, backup	. 3		
89	801-039	O-RING	3		

Order parts by name and number. Always give the model number and series letter of the assembly for which you are ordering.







Order parts by name and series letter of the assembly for which you are ordering.

*Recommended "tool box" spare parts.

801-392 11

ACCESSORIES (Must be purchased separately)

CHECK VALVE 801-133

Prevent back up of contaminated water into fresh supply. Install upstream from pump.

WATER SANDBLASTER 800-103 For abrasive cleaning of stubborn dirt and paint.

CHEMICAL INJECTOR KIT 800-102 For injecting harsh cleaning chemicals downstream from pump.

ADJUSTABLE SAND SAVER 800-031 For adjusting sand flow.

TECHNICAL DATA

MOTOR: 5 hp, 3 phase, 220 V, 60 Hz, 17 Amp

WATER PUMP: 2150 PSI (150 bar) max. pressure; 4 GPM (15 liter/min).

WETTED PARTS: Stainless Steel, Aluminum, Phenolic Plastic, Ceramic Liners, Nitrile Rubber,

WEIGHT: 140 lbs

OVERALL DIMENSION: Length: 36 in (914 mm) Width: 18 in (457 mm) Height: 17 in (432 mm)

MAX. WATER TEMPERATURE: 160°F (70°C)

INLET HOSE CONNECTION: 3/4-in. garden hose (f)

THE GRACO WARRANTY

Graco Inc. warrants all equipment manufactured by it and bearing its name to be free from defects in material and workmanship under normal use and service. This warranty extends to the original purchaser for a period of 12 months from the date of purchase and applies only when the equipment is installed and operated in accordance with written factory recommendations. This warranty does not cover damage or wear which, in the reasonable judgment of Graco, arises from misuse, abrasion, corrosion, negligence, accident, substitution of non-Graco parts, faulty installation or tampering.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective for examination by Graco to verify the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge, any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in workmanship or material, repairs will be made at a reasonable charge and return transportation will be charged.

THIS LIMITED WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES (EXPRESS OR IMPLIED) INCLUDING WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND OF ANY NON-CONTRACTUAL LIABILITIES INCLUDING PRODUCT LIABILITIES BASED ON NEGLIGENCE OR STRICT LIABILITY. EVERY FORM OF LIABILITY FOR DIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES OR LOSS IS EXPRESSLY EXCLUDED AND DENIED.

EQUIPMENT NOT COVERED BY GRACO WARRANTY. Accessories or components of equipment sold by Graco that are not manufactured by Graco (such as electric motors, switches, hose, etc.) are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making such claims.

Factory Branches: Atlanta, Dallas, Detroit, Los Angeles, West Caldwell (N.J.) Subsidiary and Affiliate Companies: Canada; England; Switzerland; France; Germany; Hong Kong; Japan GRACO INC. P.O. BOX 1441 MINNEAPOLIS, MN 55440-1444

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